

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number:

10/S39,10SA

Source:

IFWP

Date Processed by STIC:

7/17/66

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IFWP

RAW SEQUENCE LISTING

DATE: 07/17/2006

PATENT APPLICATION: US/10/539,105A

TIME: 11:01:51

Input Set : A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt

Output Set: N:\CRF4\07172006\J539105A.raw

3 <110> APPLICANT: Molero, Juan C
 4 James, David
 6 <120> TITLE OF INVENTION: Methods of treatment of feeding disorders or disorders of
 glucose
 7 uptake and for modifying metabolism and identifying therapeutic
 8 reagents therefor
 10 <130> FILE REFERENCE: 42-000200US
 12 <140> CURRENT APPLICATION NUMBER: US 10/539,105A
 C--> 13 <141> CURRENT FILING DATE: 2005-06-15
 15 <150> PRIOR APPLICATION NUMBER: AU 2002953393
 16 <151> PRIOR FILING DATE: 2002-12-16
 18 <150> PRIOR APPLICATION NUMBER: AU 2003906285
 19 <151> PRIOR FILING DATE: 2003-11-14
 21 <150> PRIOR APPLICATION NUMBER: PCT/AU2003/001676
 22 <151> PRIOR FILING DATE: 2003-12-16
 24 <160> NUMBER OF SEQ ID NOS: 261
 26 <170> SOFTWARE: PatentIn version 3.3
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 153
 30 <212> TYPE: PRT
 31 <213> ORGANISM: artificial
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: disrupted mouse Cbl protein
 36 <400> SEQUENCE: 1
 38 Met Ala Gly Asn Val Lys Lys Ser Ser Gly Ala Gly Gly Gly Gly Ser
 39 1 5 10 15
 42 Gly Gly Ser Gly Ala Gly Gly Leu Ile Gly Leu Met Lys Asp Ala Phe
 43 20 25 30
 46 Gln Pro His His His His His His Leu Ser Pro His Pro Pro Cys Thr
 47 35 40 45
 50 Val Asp Lys Lys Met Val Glu Lys Cys Trp Lys Leu Met Asp Lys Val
 51 50 55 60
 54 Val Arg Leu Cys Gln Asn Pro Asn Val Ala Leu Lys Asn Ser Pro Pro
 55 65 70 75 80
 58 Tyr Ile Leu Asp Leu Leu Pro Asp Thr Tyr Gln His Leu Arg Thr Val
 59 85 90 95
 62 Leu Ser Arg Tyr Glu Gly Lys Met Glu Thr Leu Gly Glu Asn Glu Tyr
 63 100 105 110
 66 Phe Arg Val Phe Met Glu Asn Leu Met Lys Lys Thr Lys Gln Thr Ile
 67 115 120 125
 70 Ser Leu Phe Lys Glu Gly Lys Glu Arg Met Tyr Glu Glu Asn Ser Gln
 71 130 135 140
 74 Pro Arg Arg Asn Leu Thr Lys Leu Ser
 75 145 150

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78 <210> SEQ ID NO: 2
79 <211> LENGTH: 896
80 <212> TYPE: PRT
81 <213> ORGANISM: Mus musculus
83 <400> SEQUENCE: 2
85 Met Ala Gly Asn Val Lys Lys Ser Ser Gly Ala Gly Gly Gly Gly Ser
86 1 5 10 15
89 Gly Gly Ser Gly Ala Gly Gly Leu Ile Gly Leu Met Lys Asp Ala Phe
90 20 25 30
93 Gln Pro His His His His His His Leu Ser Pro His Pro Pro Cys Thr
94 35 40 45
97 Val Asp Lys Lys Met Val Glu Lys Cys Trp Lys Leu Met Asp Lys Val
98 50 55 60
101 Val Arg Leu Cys Gln Asn Pro Asn Val Ala Leu Lys Asn Ser Pro Pro
102 65 70 75 80
105 Tyr Ile Leu Asp Leu Leu Pro Asp Thr Tyr Gln His Leu Arg Thr Val
106 85 90 95
109 Leu Ser Arg Tyr Glu Gly Lys Met Glu Thr Leu Gly Glu Asn Glu Tyr
110 100 105 110
113 Phe Arg Val Phe Met Glu Asn Leu Met Lys Lys Thr Lys Gln Thr Ile
114 115 120 125
117 Ser Leu Phe Lys Glu Gly Lys Glu Arg Met Tyr Glu Glu Asn Ser Gln
118 130 135 140
121 Pro Arg Arg Asn Leu Thr Lys Leu Ser Leu Ile Phe Ser His Met Leu
122 145 150 155 160
125 Ala Glu Leu Lys Gly Ile Phe Pro Ser Gly Leu Phe Gln Gly Asp Thr
126 165 170 175
129 Phe Arg Ile Thr Lys Ala Asp Ala Ala Glu Phe Trp Arg Lys Ala Phe
130 180 185 190
133 Gly Glu Lys Thr Ile Val Pro Trp Lys Ser Phe Arg Gln Ala Leu His
134 195 200 205
137 Glu Val His Pro Ile Ser Ser Gly Leu Glu Ala Met Ala Leu Lys Ser
138 210 215 220
141 Thr Ile Asp Leu Thr Cys Asn Asp Tyr Ile Ser Val Phe Glu Phe Asp
142 225 230 235 240
145 Ile Phe Thr Arg Leu Phe Gln Pro Trp Ser Ser Leu Leu Arg Asn Trp
146 245 250 255
149 Asn Ser Leu Ala Val Thr His Pro Gly Tyr Met Ala Phe Leu Thr Tyr
150 260 265 270
153 Asp Glu Val Lys Ala Arg Leu Gln Lys Phe Ile His Lys Pro Gly Ser
154 275 280 285
157 Tyr Ile Phe Arg Leu Ser Cys Thr Arg Leu Gly Gln Trp Ala Ile Gly
158 290 295 300
161 Tyr Val Thr Ala Asp Gly Asn Ile Leu Gln Thr Ile Pro His Asn Lys
162 305 310 315 320
165 Pro Leu Phe Gln Ala Leu Ile Asp Gly Phe Arg Glu Gly Phe Tyr Leu
166 325 330 335
169 Phe Pro Asp Gly Arg Asn Gln Asn Pro Asp Leu Thr Gly Leu Cys Glu
170 340 345 350

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173 Pro Thr Pro Gln Asp His Ile Lys Val Thr Gln Ile Cys Ala Glu Asn
174      355      360      365
177 Asp Lys Asp Val Lys Ile Glu Pro Cys Gly His Leu Met Cys Thr Ser
178      370      375      380
181 Cys Leu Thr Ser Trp Gln Glu Ser Glu Gly Gln Gly Cys Pro Phe Cys
182 385      390      395      400
185 Arg Cys Glu Ile Lys Gly Thr Glu Pro Ile Val Val Asp Pro Phe Asp
186      405      410      415
189 Pro Arg Gly Ser Gly Ser Leu Leu Arg Gln Gly Ala Glu Gly Ala Pro
190      420      425      430
193 Ser Pro Asn Tyr Asp Asp Asp Asp Asp Glu Arg Ala Asp Asp Ser Leu
194      435      440      445
197 Phe Met Met Lys Glu Leu Ala Gly Ala Lys Val Glu Arg Pro Ser Ser
198      450      455      460
201 Pro Phe Ser Met Ala Pro Gln Ala Ser Leu Pro Pro Val Pro Pro Arg
202 465      470      475      480
205 Leu Asp Leu Leu Gln Gln Arg Ala Pro Val Pro Ala Ser Thr Ser Val
206      485      490      495
209 Leu Gly Thr Ala Ser Lys Ala Ala Ser Gly Ser Leu His Lys Asp Lys
210      500      505      510
213 Pro Leu Pro Ile Pro Pro Thr Leu Arg Asp Leu Pro Pro Pro Pro Pro
214      515      520      525
217 Pro Asp Arg Pro Tyr Ser Val Gly Ala Glu Thr Arg Pro Gln Arg Arg
218      530      535      540
221 Pro Leu Pro Cys Thr Pro Gly Asp Cys Pro Ser Arg Asp Lys Leu Pro
222 545      550      555      560
225 Pro Val Pro Ser Ser Arg Pro Gly Asp Ser Trp Leu Ser Arg Thr Ile
226      565      570      575
229 Pro Lys Val Pro Val Ala Thr Pro Asn Pro Gly Asp Pro Trp Asn Gly
230      580      585      590
233 Arg Glu Leu Thr Asn Arg His Ser Leu Pro Phe Ser Leu Pro Ser Gln
234      595      600      605
237 Met Glu Pro Arg Ala Asp Val Pro Arg Leu Gly Ser Thr Phe Ser Leu
238      610      615      620
241 Asp Thr Ser Met Thr Met Asn Ser Ser Pro Val Ala Gly Pro Glu Ser
242 625      630      635      640
245 Glu His Pro Lys Ile Lys Pro Ser Ser Ser Ala Asn Ala Ile Tyr Ser
246      645      650      655
249 Leu Ala Ala Arg Pro Leu Pro Met Pro Lys Leu Pro Pro Gly Glu Gln
250      660      665      670
253 Gly Glu Ser Glu Glu Asp Thr Glu Tyr Met Thr Pro Thr Ser Arg Pro
254      675      680      685
257 Val Gly Val Gln Lys Pro Glu Pro Lys Arg Pro Leu Glu Ala Thr Gln
258      690      695      700
261 Ser Ser Arg Ala Cys Asp Cys Asp Gln Gln Ile Asp Ser Cys Thr Tyr
262 705      710      715      720
265 Glu Ala Met Tyr Thr Ile Gln Ser Gln Ala Leu Ser Val Ala Glu Asn
266      725      730      735
269 Ser Ala Ser Gly Glu Gly Asn Leu Ala Thr Ala His Thr Ser Thr Gly

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```

270          740          745          750
273 Pro Glu Glu Ser Glu Asn Glu Asp Asp Gly Tyr Asp Val Pro Lys Pro
274          755          760          765
277 Pro Val Pro Ala Val Leu Ala Arg Arg Thr Leu Ser Asp Ile Ser Asn
278          770          775          780
281 Ala Ser Ser Ser Phe Gly Trp Leu Ser Leu Asp Gly Asp Pro Thr Asn
282 785          790          795          800
285 Phe Asn Glu Gly Ser Gln Val Pro Glu Arg Pro Pro Lys Pro Phe Pro
286          805          810          815
289 Arg Arg Ile Asn Ser Glu Arg Lys Ala Ser Ser Tyr Gln Gln Gly Gly
290          820          825          830
293 Gly Ala Thr Ala Asn Pro Val Ala Thr Ala Pro Ser Pro Gln Leu Ser
294          835          840          845
297 Ser Glu Ile Glu Arg Leu Met Ser Gln Gly Tyr Ser Tyr Gln Asp Ile
298          850          855          860
301 Gln Lys Ala Leu Val Ile Ala His Asn Asn Ile Glu Met Ala Lys Asn
302 865          870          875          880
305 Ile Leu Arg Glu Phe Val Ser Ile Ser Ser Pro Ala His Val Ala Thr
306          885          890          895
309 <210> SEQ ID NO: 3
310 <211> LENGTH: 906
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 3
316 Met Ala Gly Asn Val Lys Lys Ser Ser Gly Ala Gly Gly Gly Thr Gly
317 1          5          10          15
320 Ser Gly Gly Ser Gly Ser Gly Gly Leu Ile Gly Leu Met Lys Asp Ala
321          20          25          30
324 Phe Gln Pro His His His His His His His Leu Ser Pro His Pro Pro
325          35          40          45
328 Gly Thr Val Asp Lys Lys Met Val Glu Lys Cys Trp Lys Leu Met Asp
329          50          55          60
332 Lys Val Val Arg Leu Cys Gln Asn Pro Lys Leu Ala Leu Lys Asn Ser
333 65          70          75          80
336 Pro Pro Tyr Ile Leu Asp Leu Leu Pro Asp Thr Tyr Gln His Leu Arg
337          85          90          95
340 Thr Ile Leu Ser Arg Tyr Glu Gly Lys Met Glu Thr Leu Gly Glu Asn
341          100          105          110
344 Glu Tyr Phe Arg Val Phe Met Glu Asn Leu Met Lys Lys Thr Lys Gln
345          115          120          125
348 Thr Ile Ser Leu Phe Lys Glu Gly Lys Glu Arg Met Tyr Glu Glu Asn
349          130          135          140
352 Ser Gln Pro Arg Arg Asn Leu Thr Lys Leu Ser Leu Ile Phe Ser His
353 145          150          155          160
356 Met Leu Ala Glu Leu Lys Gly Ile Phe Pro Ser Gly Leu Phe Gln Gly
357          165          170          175
360 Asp Thr Phe Arg Ile Thr Lys Ala Asp Ala Ala Glu Phe Trp Arg Lys
361          180          185          190
364 Ala Phe Gly Glu Lys Thr Ile Val Pro Trp Lys Ser Phe Arg Gln Ala

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```

365      195      200      205
368 Leu His Glu Val His Pro Ile Ser Ser Gly Leu Glu Ala Met Ala Leu
369      210      215      220
372 Lys Ser Thr Ile Asp Leu Thr Cys Asn Asp Tyr Ile Ser Val Phe Glu
373 225      230      235      240
376 Phe Asp Ile Phe Thr Arg Leu Phe Gln Pro Trp Ser Ser Leu Leu Arg
377      245      250      255
380 Asn Trp Asn Ser Leu Ala Val Thr His Pro Gly Tyr Met Ala Phe Leu
381      260      265      270
384 Thr Tyr Asp Glu Val Lys Ala Arg Leu Gln Lys Phe Ile His Lys Pro
385      275      280      285
388 Gly Ser Tyr Ile Phe Arg Leu Ser Cys Thr Arg Leu Gly Gln Trp Ala
389      290      295      300
392 Ile Gly Tyr Val Thr Ala Asp Gly Asn Ile Leu Gln Thr Ile Pro His
393 305      310      315      320
396 Asn Lys Pro Leu Phe Gln Ala Leu Ile Asp Gly Phe Arg Glu Gly Phe
397      325      330      335
400 Tyr Leu Phe Pro Asp Gly Arg Asn Gln Asn Pro Asp Leu Thr Gly Leu
401      340      345      350
404 Cys Glu Pro Thr Pro Gln Asp His Ile Lys Val Thr Gln Glu Gln Tyr
405      355      360      365
408 Glu Leu Tyr Cys Glu Met Gly Ser Thr Phe Gln Leu Cys Lys Ile Cys
409      370      375      380
412 Ala Glu Asn Asp Lys Asp Val Lys Ile Glu Pro Cys Gly His Leu Met
413 385      390      395      400
416 Cys Thr Ser Cys Leu Thr Ser Trp Gln Glu Ser Glu Gly Gln Gly Cys
417      405      410      415
420 Pro Phe Cys Arg Cys Glu Ile Lys Gly Thr Glu Pro Ile Val Val Asp
421      420      425      430
424 Pro Phe Asp Pro Arg Gly Ser Gly Ser Leu Leu Arg Gln Gly Ala Glu
425      435      440      445
428 Gly Ala Pro Ser Pro Asn Tyr Asp Asp Asp Asp Glu Arg Ala Asp
429      450      455      460
432 Asp Thr Leu Phe Met Met Lys Glu Leu Ala Gly Ala Lys Val Glu Arg
433 465      470      475      480
436 Pro Pro Ser Pro Phe Ser Met Ala Pro Gln Ala Ser Leu Pro Pro Val
437      485      490      495
440 Pro Pro Arg Leu Asp Leu Leu Pro Gln Arg Val Cys Val Pro Ser Ser
441      500      505      510
444 Ala Ser Ala Leu Gly Thr Ala Ser Lys Ala Ala Ser Gly Ser Leu His
445      515      520      525
448 Lys Asp Lys Pro Leu Pro Val Pro Pro Thr Leu Arg Asp Leu Pro Pro
449      530      535      540
452 Pro Pro Pro Pro Asp Arg Pro Tyr Ser Val Gly Ala Glu Ser Arg Pro
453 545      550      555      560
456 Gln Arg Arg Pro Leu Pro Cys Thr Pro Gly Asp Cys Pro Ser Arg Asp
457      565      570      575
460 Lys Leu Pro Pro Val Pro Ser Ser Arg Leu Gly Asp Ser Trp Leu Pro
461      580      585      590

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/17/2006
PATENT APPLICATION: US/10/539,105A TIME: 11:01:52

Input Set : A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt
Output Set: N:\CRF4\07172006\J539105A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
Seq#:30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53
Seq#:54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77
Seq#:78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101
Seq#:102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119
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Seq#:228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245
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VERIFICATION SUMMARY

DATE: 07/17/2006

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TIME: 11:01:52

Input Set : A:\42-000200US Sequence Listing Apr 10 2006.ST25.txt

Output Set: N:\CRF4\07172006\J539105A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date